

(FILE 'HOME' ENTERED AT 14:22:04 ON 08 AUG 2003)

FILE 'REGISTRY' ENTERED AT 14:22:23 ON 08 AUG 2003

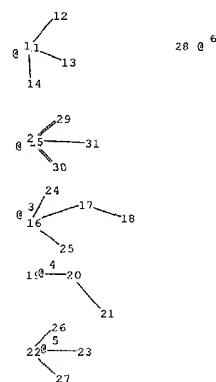
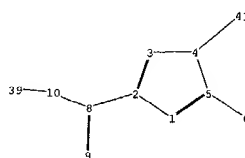
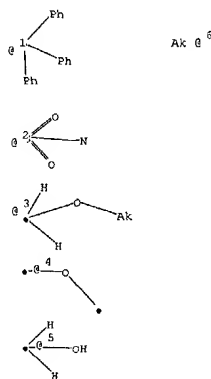
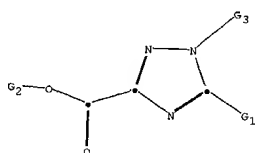
L1 STRUCTURE UPLOADED
L2 0 S L1 FUL
L3 STRUCTURE UPLOADED
L4 32 S L3 FUL
L5 32 S L4 AND CAPLUS/LC

FILE 'CAPLUS' ENTERED AT 14:24:44 ON 08 AUG 2003

L6 15 S L4

FILE 'STNGUIDE' ENTERED AT 14:25:06 ON 08 AUG 2003

C:\Program Files\Stnexp\Queries\09980578.str



chain nodes :

6 8 9 10 11 12 13 14 15 16 17 18 22 23 24 25 26 27 28 29 30 31 39
41

ring nodes :

1 2 3 4 5

ring/chain nodes :

19 20 21

chain bonds :

2-8 4-41 5-6 8-9 8-10 10-39 11-12 11-13 11-14 15-29 15-30 15-31 16-17 16-24
16-25 17-18 19-20 20-21 22-23 22-26 22-27

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5 4-41 5-6 8-9 8-10 10-39 15-29 15-30 15-31 16-17 17-18
19-20 20-21 22-23

exact bonds :

2-8 11-12 11-13 11-14 16-24 16-25 22-26 22-27

G1:H,Ak

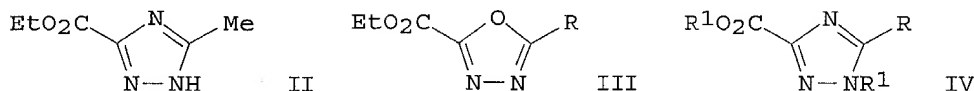
G2:[*1],[*2],[*3],[*4],[*5],[*6]

G3:[*1],[*2],[*3],[*4],[*5]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 31:CLASS 39:CLASS 41:CLASS

L6 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1988:204566 CAPLUS
 DOCUMENT NUMBER: 108:204566
 TITLE: Cyclization of ethyl oxalate N1-acyl amidrazones to
 5-substituted 1,4-triazole-3-carboxylic acid
 derivatives
 AUTHOR(S): Heschel, H.; Stein, J.; Dost, J.
 CORPORATE SOURCE: Sek. Chem./Biol., Paedagog. Hochsch. "Karl
 Liebknecht", Potsdam, Ger. Dem. Rep.
 SOURCE: Wissenschaftliche Zeitschrift der Paedagogischen
 Hochschule Karl Liebknecht Potsdam (1987), 31(1),
 45-52
 CODEN: WPKLAO; ISSN: 0138-290X
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 GI



AB Cyclization of $\text{EtO}_2\text{CC}(\text{NH}_2):\text{NNHCOR}$ (I; R = Me, Et, Pr, Bu, CH_2Ph , $\text{C}_6\text{H}_4\text{Cl}$ -4), with AcOH-Ac₂O gave 75-90% triazolecarboxylate II while cyclization of I (R = Ph, $\text{C}_6\text{H}_4\text{OMe}$ -4) with HCO₂H or AcOH gave 53-66% oxadiazolecarboxylates III (same R). Refluxing I (R = CH_2CHMe_2) in AcOH-Ac₂O gave 92% Et 1-isovaleroyl-S-methyl-1,2,4-triazole-3-carboxylate. Dipotassium triazolecarboxylates IV (R = Me, Et, Pr, Bu, CH_2CHMe_2 , Ph, CH_2Ph , $\text{C}_6\text{H}_4\text{OMe}$ -4, $\text{C}_6\text{H}_4\text{Cl}$ -4; R₁ = K) were prepd. by cyclization of the corresponding I with KOH-Me₂NCHO while triazolecarboxylic acid IV (R = Me, R₁ = H) was prepd. by treatment of I (R = Me) with KOH-EtOH. Cyclization of I (R = Ph) with KOH-AcOH-Cu(OAc)₂-H₂S gave 63% IV (R = Ph; R₁ = H). Some reactions of II are described.

IT **114336-01-5P**

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 114336-01-5 CAPLUS

CN 1H-1,2,4-Triazole-3-carboxylic acid, 1-(hydroxymethyl)-5-methyl-, ethyl ester (9CI) (CA INDEX NAME)

